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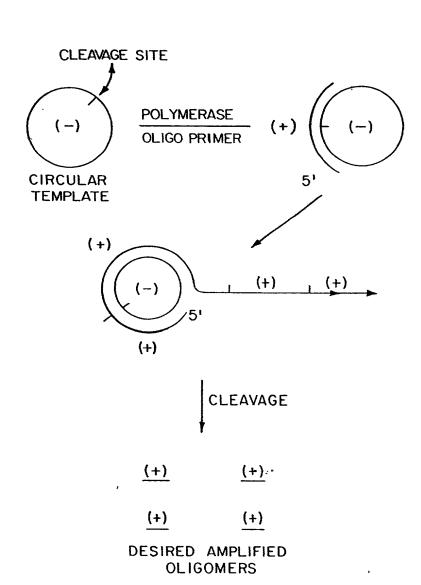


Fig. 1

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CONSTANT
LINKER/PRIMER
DOMAIN

CONSTANT
LINKER/PRIMER
DOMAIN

CONSTANT
LINKER/PRIMER
DOMAIN

CONSTANT
LINKER/PRIMER
AAACCAGGXX

AAACCAGGXX

AAACCAGGXX

AAACCAGGXX

AAACCAGGXX

CONSTANT
AAACCAGGXX

AAACCAGGXX

AAACCAGGXX

CONSTANT
AAACCAGGXX

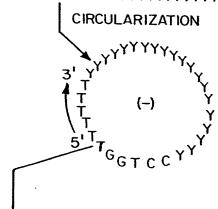
AAACCAGGXX

CONSTANT
AAACCAGGX

CONSTANT
AAACCAGGXX

CONSTANT

(-) 5'-pdTGGTTTTTTYYYYYYYYYYYYYYYYYYYYYY



- 1. ROLLING CIRCLE SYNTHESIS
- 2. BSTN1 CLEAVAGE
- 3. CIRCULARIZATION

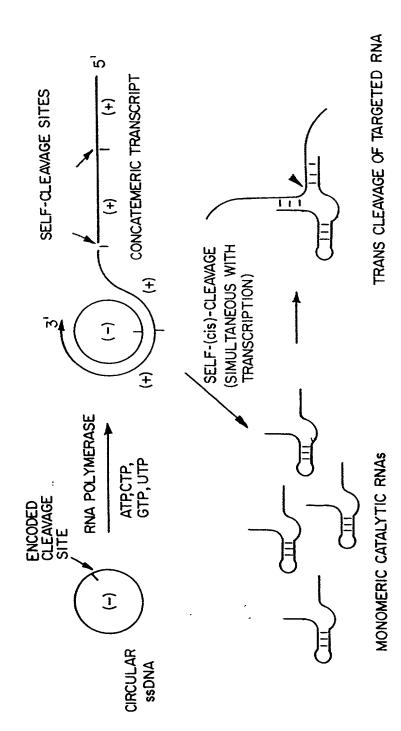
FURTHER ROUNDS
OF SELECTION/
AMPLIFICATION

AMPLIFIED SELECTED SEQUENCE

3. BSTN1 CLEAVAGE

Fig. 2

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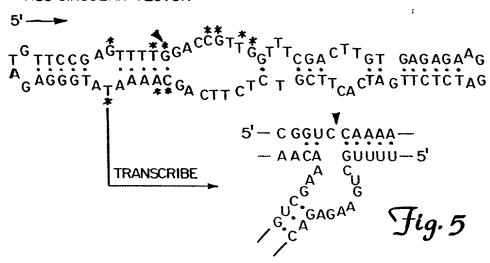
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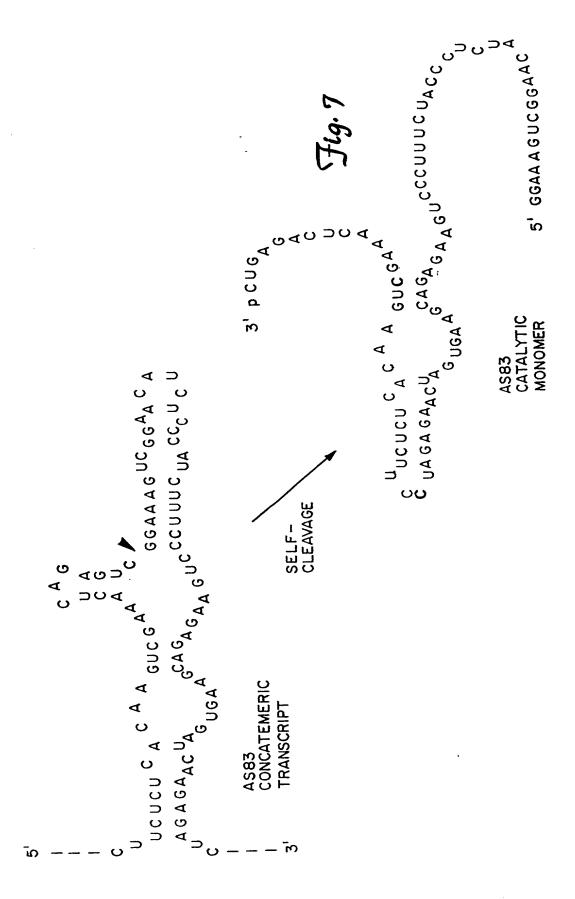
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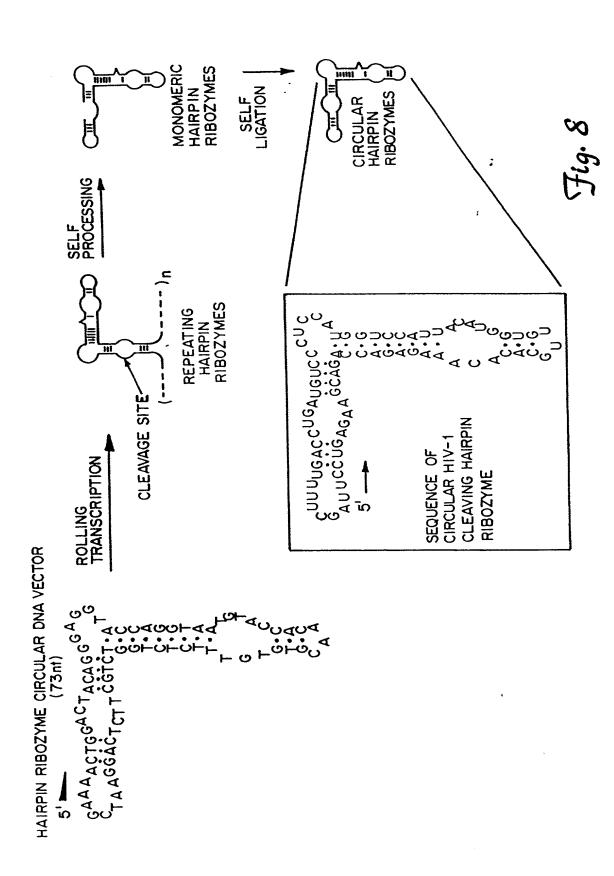
H83 CIRCULAR VECTOR



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Title: CIRCULAR DNA VECTORS FOR SYNTHESIS OF RNA AND DNA

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ACACATT GACTG AGAG TT GTCT G randon domain

ACGGTAA GACT ACTC AGGCACTC

TTTT

Figure 9A

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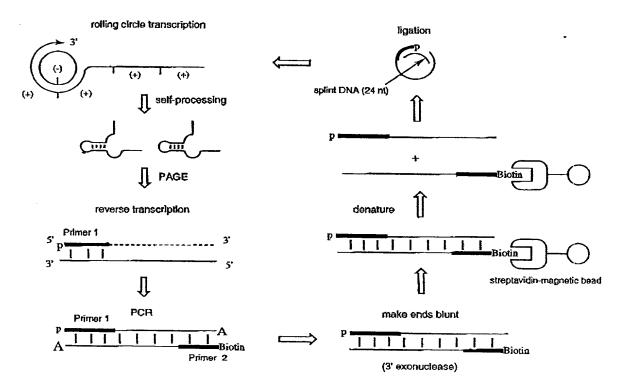


Figure 9B

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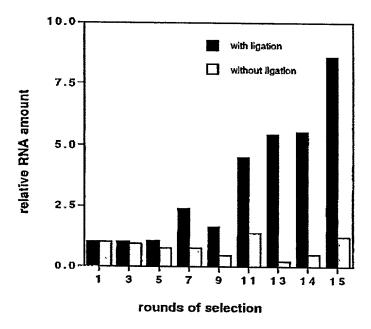


Figure 10

Title: CIRCULAR DNA VECTORS FOR SYNTHESIS OF RNA AND DNA

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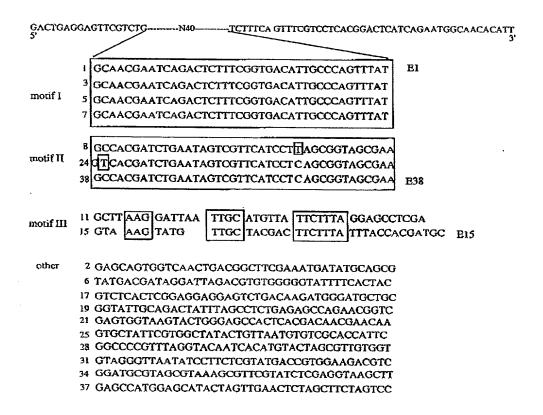


Figure 11

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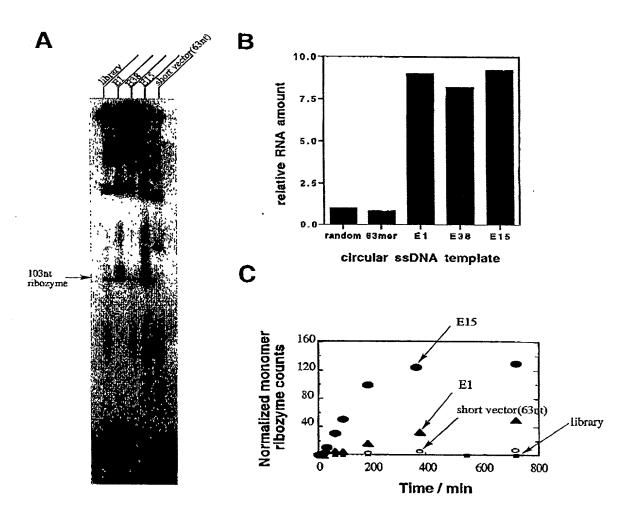


Figure 12

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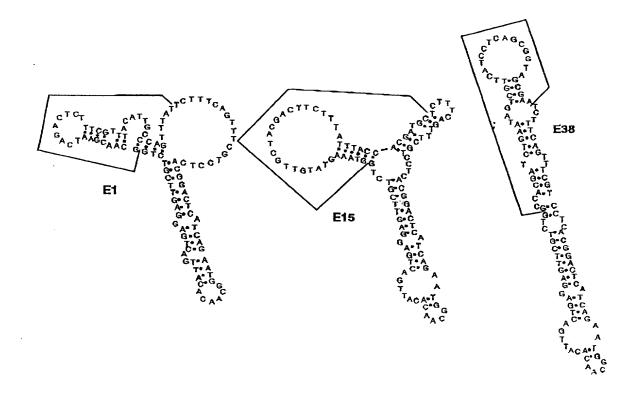


Figure 13

Title: CIRCULAR DNA VECTORS FOR SYNTHESIS OF RNA AND DNA
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Figure 14

63nt ribozyme

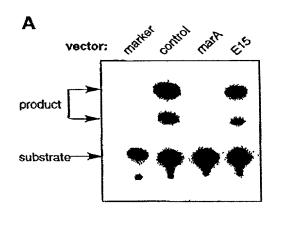
103nt ribozyme

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Shine-Dalgamo Promoter (lac Z) Hind III Kpn I lac Z CAT start Mar A (51nt) stop codon terminator pUC19 Transcription mRNA mar A CAT AAGUGUCAGAGCG translation start translation stop cleavage site

Figure 15

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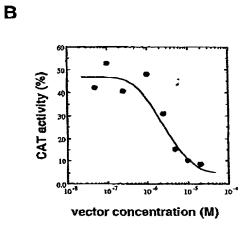


Figure 16

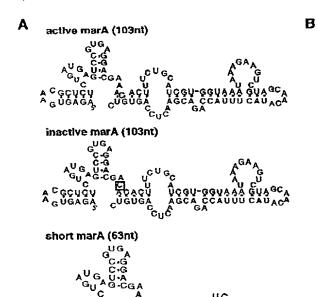
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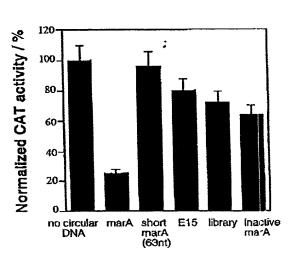
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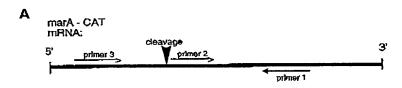
Circular ssDNA vector

Figure 17

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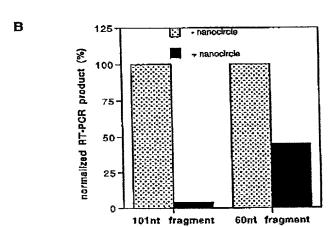
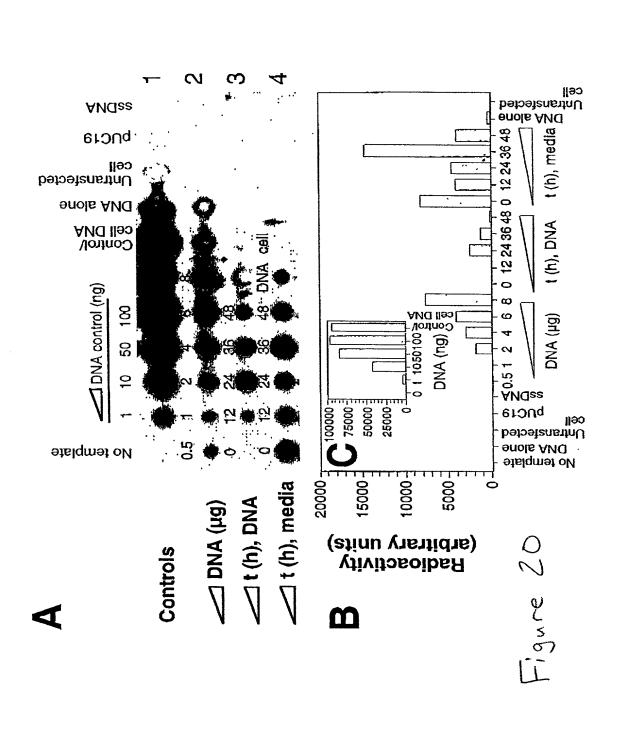


Figure 18

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Fig. 19



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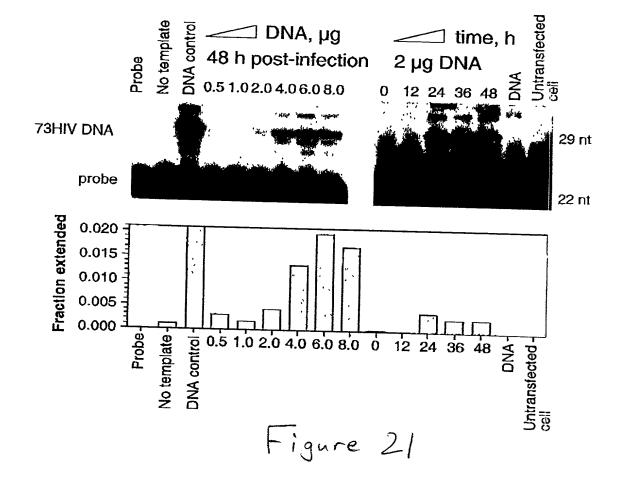
Serial No.: Unknown

Applicant(s): Eric T. Kool

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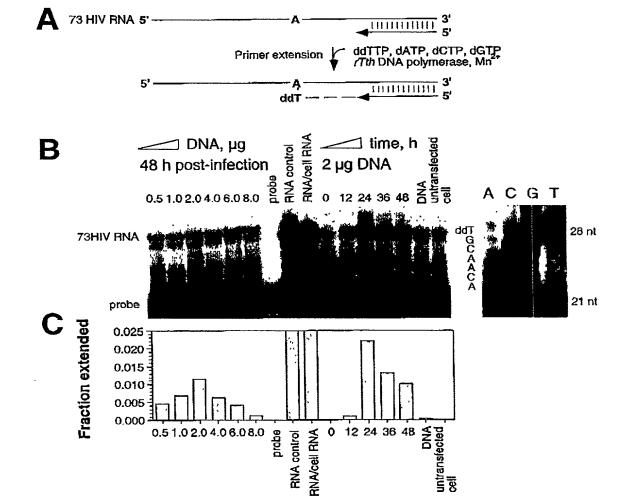


Figure 22